

$L_6(2) \pmod{5}$

	blocks	defect	matrix
$G :$	1	1	5×4
	2	1	5×4
	3	1	4×2
	4	1	5×4
	5	0	$1240_1 = \chi_7, \varphi_7$
	6	0	$1395_1 = \chi_8, \varphi_8$
	$7 = \overline{6}$	0	$1395_2 = \chi_9, \varphi_9$
	8	0	$4185_1 = \chi_{10}, \varphi_{10}$
	$9 = \overline{8}$	0	$4185_2 = \chi_{11}, \varphi_{11}$
	10	0	$4340_1 = \chi_{12}, \varphi_{12}$
	11	1	4×2
	12	0	$6480_1 = \chi_{15}, \varphi_{15}$
	13	1	4×2
	14	0	$9765_1 = \chi_{18}, \varphi_{18}$
	15	0	$9765_2 = \chi_{19}, \varphi_{19}$
	$16 = \overline{15}$	0	$9765_3 = \chi_{20}, \varphi_{20}$
	17	0	$9765_4 = \chi_{21}, \varphi_{21}$
	$18 = \overline{17}$	0	$9765_5 = \chi_{22}, \varphi_{22}$
	19	0	$9765_6 = \chi_{23}, \varphi_{23}$
	$20 = \overline{19}$	0	$9765_7 = \chi_{24}, \varphi_{24}$
	21	0	$9765_8 = \chi_{25}, \varphi_{25}$
	$22 = \overline{21}$	0	$9765_9 = \chi_{26}, \varphi_{26}$
	23	0	$9920_1 = \chi_{27}, \varphi_{27}$
	24	0	$11160_1 = \chi_{28}, \varphi_{28}$
	$25 = \overline{24}$	0	$11160_2 = \chi_{29}, \varphi_{29}$
	26	0	$12555_1 = \chi_{30}, \varphi_{30}$
	27	0	$13020_1 = \chi_{31}, \varphi_{31}$
	28	0	$19845_1 = \chi_{41}, \varphi_{37}$
	$29 = \overline{28}$	0	$19845_2 = \chi_{42}, \varphi_{38}$
	30	0	$19845_3 = \chi_{43}, \varphi_{39}$
	$31 = \overline{30}$	0	$19845_4 = \chi_{44}, \varphi_{40}$
	32	0	$19845_5 = \chi_{45}, \varphi_{41}$
	$33 = \overline{32}$	0	$19845_6 = \chi_{46}, \varphi_{42}$
	34	0	$25110_1 = \chi_{47}, \varphi_{43}$
	$35 = \overline{34}$	0	$25110_2 = \chi_{48}, \varphi_{44}$
	36	0	$29295_1 = \chi_{52}, \varphi_{48}$
	$37 = \overline{36}$	0	$29295_2 = \chi_{53}, \varphi_{49}$
	38	0	$33480_1 = \chi_{56}, \varphi_{50}$
	$39 = \overline{38}$	0	$33480_2 = \chi_{57}, \varphi_{51}$

Block 1:	φ_1	φ_6	φ_{32}	φ_{36}	
$1_1 = \chi_1$	1	.	.	.	$\varphi_1 = 1_1$
$744_1 = \chi_6$	1	1	.	.	$\varphi_6 = 743_1$
$13671_2 = \chi_{33}$	.	.	1	.	$\varphi_{32} = 13671_1$
$18816_1 = \chi_{40}$	.	1	.	1	$\varphi_{36} = 18073_1$
$31744_1 = \chi_{54}$	.	.	1	1	

Block 2:	φ_2	φ_4	φ_{14}	φ_{45}	
$62_1 = \chi_2$	1	.	.	.	$\varphi_2 = 62_1$
$588_1 = \chi_4$	1	1	.	.	$\varphi_4 = 526_1$
$5952_1 = \chi_{14}$	.	1	1	.	$\varphi_{14} = 5426_1$
$27342_1 = \chi_{49}$	.	.	.	1	$\varphi_{45} = 27342_1$
$32768_1 = \chi_{55}$	.	.	1	1	

Block 3:	φ_3	φ_{35}	
$217_1 = \chi_3$	1	.	$\varphi_3 = 217_1$
$13671_3 = \chi_{34}$	.	1	$\varphi_{35} = 13671_4$
$13671_4 = \chi_{35}$	.	1	
$13888_1 = \chi_{38}$	1	1	

Block 4:	φ_5	φ_{16}	φ_{34}	φ_{47}	
$651_1 = \chi_5$	1	.	.	.	$\varphi_5 = 651_1$
$9114_1 = \chi_{16}$	1	1	.	.	$\varphi_{16} = 8463_1$
$13671_1 = \chi_{32}$	.	.	1	.	$\varphi_{34} = 13671_3$
$36456_1 = \chi_{58}$	.	1	.	1	$\varphi_{47} = 27993_1$
$41664_1 = \chi_{60}$	.	.	1	1	

Block 11:	φ_{13}	φ_{33}	
$4557_1 = \chi_{13}$	1	.	$\varphi_{13} = 4557_1$
$13671_5 = \chi_{36}$	.	1	$\varphi_{33} = 13671_2$
$13671_6 = \chi_{37}$	.	1	
$18228_1 = \chi_{39}$	1	1	

Block 13:	φ_{17}	φ_{46}		
$9114_2 = \chi_{17}$	1	.	φ_{17}	= 9114_1
$27342_2 = \chi_{50}$	.	1	φ_{46}	= 27342_2
$27342_3 = \chi_{51}$	.	1		
$36456_2 = \chi_{59}$	1	1		